



09/868 222

Cofe

Patent No. 7,014,822  
Request for Cert. of Correction dated May 18, 2006  
Attorney Docket No. 0388-010965

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,014,822 Confirmation No. 6156  
Inventor : Shinke et al.  
Issued : March 21, 2006  
Title : Fluid Treating Device  
Examiner : Jonathan Johnson  
Customer No. : 28289

Certificate  
MAY 24 2006  
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. 1.322(a))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: Decision and Certificate of Correction Branch  
Patent Issue Division

Sir:

In accordance with 35 U.S.C. §254, we attach hereto Form PTO/SB/44 and a copy of proof of PTO errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

Face of the Patent, See Item (57) ABSTRACT, Line 9, "portions thereofjoined" should read -- portions thereof joined --  
(See the Abstract as shown in the Supplemental Preliminary Amendment, filed 02/06/2002, page 4, Line 6)

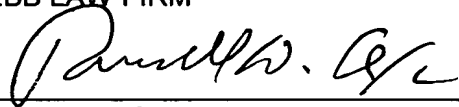
Column 16, delete Lines 13-16. This paragraph was replaced on "Amended Sheets", but the PTO did not realize that and printed both paragraphs.  
(See Amended Sheets, page 28, Lines 26-29 under "INDUSTRIAL APPLICATIONS")

Column 16, Line 58, Claim 3, "planar plate-shated" should read -- planar plate-shaped --  
(See Amendment dated 01/07/2005, page 4, Claim 13, Line 4. Claim 13 issued as Claim 3.)

Respectfully submitted,

THE WEBB LAW FIRM

By

  
Russell D. Orkin  
Registration No. 25,363  
Attorney for Registrants  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219  
Telephone: (412) 471-8815  
Facsimile: (412) 471-4094

MAY 25 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,014,822  
APPLICATION NO. : 09/868,222  
ISSUE DATE : March 21, 2006  
INVENTORS : Shinke et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Face of the Patent, See Item (57) ABSTRACT, Line 9, "portions thereofjoined"  
should read -- portions thereof joined --

Column 16, delete Lines 13-16.

Column 16, Line 58, Claim 3, "planar plate-shated" should read -- planar plate-shaped --

MAILING ADDRESS OF SENDER: The Webb Law Firm  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219-1845

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-2450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.*

**MAY 25 2006**



PATENT APPLICATION  
Serial No. 09/868,222  
Atty. Docket No. 388-010965

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit 1764 :  
In re application of :  
NORIHISA SHINKE ET AL. : FLUID TREATING DEVICE  
Serial No. 09/868,222 :  
Filed June 15, 2001 :

Pittsburgh, Pennsylvania  
February 6, 2002

**SUPPLEMENTAL PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Prior to initial examination, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

Please delete the fourth paragraph on page 3 lines 16-19, as amended under Article 34 on September 13, 2000, and replace it with the following replacement paragraph.

For accomplishing the above object, according to the present invention, to construct a fluid processing apparatus for producing hydrogen-containing gas, having a plurality of processing spaces, the apparatus comprises:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on February 6, 2002.

Susan E. Vresh

(Typed Name of Person Mailing Paper)

*Susan E. Vresh*  
Signature

2/6/02  
Date

a plurality of containers juxtaposed in a direction to each other and forming the processing space respectively therein;

pressing means for pressing the containers as juxtaposed from opposed sides thereof in the juxtaposing direction of the containers;

wherein each said container includes a pair of container-forming members disposed in the juxtaposing direction and having peripheral portions thereof joined and welded to each other; and

at least one of the pair of container-forming members is in the form of a dish-like member having a peripheral portion used as a joining margin and a bulging central portion.

**IN THE ABSTRACT:**

**Please delete the section on page 33 entitled "Abstract of the Disclosure" and replace it with the following replacement section.**

**ABSTRACT OF THE DISCLOSURE**

6 A fluid processing apparatus having a plurality of processing spaces (S) includes a plurality of containers (B) juxtaposed in a direction to each other forming processing spaces (S) respectively therein. Pressing means (H) is provided for pressing the containers (B) as juxtaposed from opposed sides thereof in the juxtaposing direction of the containers. Each container (B) includes a pair of container-forming members (41a) disposed in the juxtaposing direction and having peripheral portions thereof joined and welded to each other. At least one of the pair of container-forming members (41a) is in the form of a dish-like member having a peripheral portion used as a joining margin and a bulging central portion.

**IN THE CLAIMS:**

**Please rewrite claims 11 and 12, as added in the Preliminary Amendment dated June 15, 2001, as follows:**

reaction catalyst is not limited to the honeycomb member 18 illustrated in the foregoing embodiment. Instead, it may be ceramic porous particles.

5 (7) In the foregoing embodiment, the combustion reaction unit 6 is formed by mounting the honeycomb member 18 retaining combustion reaction catalyst within the processing space S for effecting catalytic combustion of the fuel gas. Instead of this, a burner may be provided for combusting the fuel gas inside the processing space S.

10 (8) The specific construction of the pressing means H is not limited to that illustrated in the foregoing embodiment. For instance, this may be a construction for bracing the plurality of containers B by means of a wire.

15 (9) The specific shape of the container B is not limited to the rectangular flat plate-like shape illustrated in the foregoing embodiment. It may be any other shape as desired.

20 (10) When the invention's fluid processing apparatus is used with a fuel cell power generating system, instead of the high molecular type fuel cell power generating unit illustrated in the foregoing embodiment, the invention's apparatus may be used also with various other types of fuel cell power generating units of e.g. the phosphate type, solid electrolyte type, etc.

25 (11) The use of the fluid processing apparatus of the invention is not limited to the production of hydrogen-containing gas illustrated in the foregoing embodiment. The apparatus may be used also for processing combustion exhaust gas, deodorization of odorous exhaust gas, etc.

## INDUSTRIAL APPLICATIONS

For constructing a fluid processing apparatus including a plurality of processing spaces for processing fluid, it is possible to obtain such fluid processing apparatus which can achieve cost reduction while ensuring good durability.

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*Amended  
pages*

reaction catalyst is not limited to the honeycomb member 18 illustrated in the foregoing embodiment. Instead, it may be ceramic porous particles.

5 (7) In the foregoing embodiment, the combustion reaction unit 6 is formed by mounting the honeycomb member 18 retaining combustion reaction catalyst within the processing space S for effecting catalytic combustion of the fuel gas. Instead of this, a burner may be provided for combusting the fuel gas inside the processing space S.

10 (8) The specific construction of the pressing means H is not limited to that illustrated in the foregoing embodiment. For instance, this may be a construction for bracing the plurality of containers B by means of a wire.

15 (9) The specific shape of the container B is not limited to the rectangular flat plate-like shape illustrated in the foregoing embodiment. It may be any other shape as desired.

20 (10) When the invention's fluid processing apparatus is used with a fuel cell power generating system, instead of the high molecular type fuel cell power generating unit illustrated in the foregoing embodiment, the invention's apparatus may be used also with various other types of fuel cell power generating units of e.g. the phosphate type, solid electrolyte type, etc.

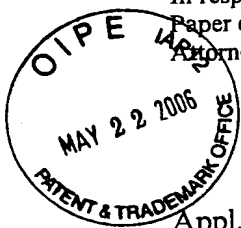
#### INDUSTRIAL APPLICATIONS

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For constructing a fluid processing apparatus for producing hydrogen-containing gas, including a plurality of processing spaces for processing fluid, it is possible to obtain such fluid processing apparatus which can achieve cost reduction while ensuring good durability.

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*Amended  
page*



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/868,222  
Applicants: : Norihisa Shinke, et al.  
Filed: : June 15, 2001  
Title: : FLUID TREATING DEVICE  
Group Art Unit : 1725  
Confirmation No. : 6156  
Examiner : Jonathan J. Johnson  
Customer No. : 28289

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Dear Sir:

In response to the Office Action dated October 7, 2004, Applicants submit the following amendments and remarks.

**Amendments to the specification** begin on page 2 of this paper.

**Amendments to the claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Amendments to the drawings** begin on page 7 of this paper.

**Remarks** begin on page 8 of this paper.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 7, 2005.

Helen Gerace

(Name of Person Mailing Paper)

*Helen Gerace* January 7, 2005  
Signature Date



at least one of the pair of container-forming members is in the form of a ~~dish-~~  
~~like~~dish-shaped member formed by press-forming a plate material and having a peripheral  
portion used as a joining margin and a bulging central portion.

5 13. (Currently Amended) The fluid processing apparatus for producing  
hydrogen-containing gas as defined in claim N<sub>1</sub>, wherein some or all of the plurality of  
containers each includes a pair of the ~~dish-like~~dish-shaped container-forming members joined  
and welded together with a planar ~~plate-like~~plate-shaped partitioning member interposed  
therebetween for forming two processing spaces.

14. (Currently Amended) The fluid processing apparatus for producing  
hydrogen-containing gas as defined in claim N<sub>2</sub>, wherein at least some of the plurality of  
containers each includes a pair of the ~~dish-like~~dish-shaped container-forming members joined  
and welded together with a planar ~~plate-like~~plate-shaped partitioning member interposed  
therebetween for forming two processing spaces.

15. (Previously Presented) The fluid processing apparatus as defined in  
claim N<sub>3</sub>, wherein the plurality of containers are disposed such that some of them requiring  
heat transfer therebetween are disposed in close contact with the other and others of them  
requiring adjustment in the amount of heat transferred therebetween are disposed with an  
insulating material for heat transfer adjustment being interposed therebetween.

16. (Previously Presented) The fluid processing apparatus as defined in  
claim N<sub>2</sub>, wherein the plurality of containers are disposed such that some of them requiring  
heat transfer therebetween are disposed in close contact with the other and others of them  
requiring adjustment in the amount of heat transferred therebetween are disposed with an  
insulating material for heat transfer adjustment being interposed therebetween.

17. (Previously Presented) The fluid processing apparatus as defined in  
claim N<sub>3</sub>, wherein the plurality of containers are disposed such that some of them requiring  
heat transfer therebetween are disposed in close contact with the other and others of them